

## CLAIMS

What is claimed is:

- 1           1.       A system for generating electricity from a wind comprising:  
2           an enclosure for mounting within or in close proximity to the building, the enclosure  
3           having an air intake and an air exhaust;  
4           a wind turbine disposed within the enclosure between the air intake and the air  
5           exhaust, the wind turbine generating electricity from the wind received from the air intake;  
6           and  
7           two or more air ducts, each air duct having a first end connected to an air duct intake  
8           device for mounting on the building and a second end connected to the enclosure air intake.
- 1           2.       The system as recited in claim 1 wherein the first end of the two or more ducts  
2           has a larger cross sectional area than the second end of the two or more ducts.
- 1           3.       The system as recited in claim 1 further comprising an intermediate duct  
2           disposed between the enclosure air intake and the second ends of the two or more ducts.
- 1           4.       The system as recited in claim 1 wherein the air duct intake device is a grill  
2           mounted on an exterior of the building.
- 1           5.       The system as recited in claim 1 wherein the air duct intake device is an air  
2           scoop.

6. The system as recited in claim 5 wherein the air scoop has a directional inlet that changes position in favor of the wind direction.

7. The system as recited in claim 5 wherein the directional inlet is remotely controlled.

8. The system as recited in claim 1 further comprising an air flow focusing device disposed within the enclosure between the enclosure air intake and the wind turbine.

9. The system as recited in claim 1 wherein the enclosure is mounted within an attic of the building.

10. The system as recited in claim 1 wherein the enclosure is mounted within a basement of the building.

11. The system as recited in claim 1 wherein the enclosure is mounted outside the building and the two or more ducts are substantially disposed within the building.

12. The system as recited in claim 1 wherein the wind turbine is mounted on a vibration dampener within the enclosure.

13. The system as recited in claim 1 wherein the enclosure is insulated for sound.

14. The system as recited in claim 1 further comprising a processor for monitoring and controlling the wind turbine.

15. The system as recited in claim 1 further comprising an exhaust duct having a first end connected to the enclosure air exhaust and a second end connected to an air exhaust.

1           16.     The system as recited in claim 15 wherein the air duct exhaust device is a grill  
2     mounted on an exterior of the building.

1           17.     The system as recited in claim 15 wherein the cross sectional area of the  
2     exhaust duct is substantially larger than the cross sectional area of the two or more air ducts.

1           18.     A building adapted to generate electricity from a wind comprising:  
2             an enclosure disposed within or in close proximity to the building, the enclosure  
3     having an air intake and an air exhaust;

4             a wind turbine disposed within the enclosure between the air intake and the air  
5     exhaust, the wind turbine generating electricity from the wind received from the air intake;  
6     and

7             two or more air ducts, each air duct having a first end connected to an air duct intake  
8     device mounted on an exterior of the building and a second end connected to the enclosure  
9     air intake.

1           19.     The building as recited in claim 18 wherein the first end of the two or more  
2     ducts has a larger cross sectional area than the second end of the two or more ducts.

1           20.     The building as recited in claim 18 further comprising an intermediate duct  
2     disposed between the enclosure air intake and the second ends of the two or more ducts.

1           21.     The building as recited in claim 18 wherein the air duct intake device is a grill.

1           22.     The building as recited in claim 18 wherein the air duct intake device is an air  
2     scoop.

1           23.     The building as recited in claim 22 wherein the air scoop has a directional  
2 inlet that changes position in favor of the wind direction.

1           24.     The building as recited in claim 22 wherein the directional inlet is remotely  
2 controlled.

1           25.     The building as recited in claim 18 further comprising an air flow focusing  
2 device disposed within the enclosure between the enclosure air intake and the wind turbine.

1           26.     The building as recited in claim 18 wherein the enclosure is mounted within  
2 an attic of the building.

1           27.     The building as recited in claim 18 wherein the enclosure is mounted within  
2 the basement of the building.

1           28.     The building as recited in claim 18 wherein the wind turbine is mounted on a  
2 vibration dampener within the enclosure.

1           29.     The building as recited in claim 18 wherein the enclosure is insulated for  
2 sound.

1           30.     The building as recited in claim 18 further comprising a processor for  
2 monitoring and controlling the wind turbine.

1           31.     The building as recited in claim 18 further comprising an exhaust duct having  
2 a first end connected to the enclosure air exhaust and a second end connected to an air  
3 exhaust mounted on the exterior of the building.

1            32.    The building as recited in claim 18 wherein the air duct exhaust device is a  
2 grill.

1            33.    The building as recited in claim 18 wherein the cross sectional area of the  
2 exhaust duct is substantially larger than the cross sectional area of the two or more air ducts.

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